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TEN-YEAR REVIEW ON THE EFFECT AND PROSPECT OF POSTGRADUATE EDUCATION REFORM IN ONE CHINESE UNIVERSITY

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The connotative development of postgraduate education has contributed to the cultivation of high-level innovative professionals and has promoted the high-quality development of higher education. During the past decade, Chinese University has achieved remarkable results in the practice of the connotative development of postgraduate education by constructing the work system of ideology and politics for postgraduates upgrading the educational structure and the cultivation mode, emphasizing the supervisor's responsibility for moral education and guaranteeing the support system. In the future, to promote the postgraduate education and cultivate professionals responsible for national rejuvenation 's imperative to innovate the education model and strengthen the foundation of its own with the characteristics of the Chinese university.

Keywords: Post-graduating education, high-quality development, Chinese university.

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Introduction. Postgraduate education is an important part of higher education. To realize the connotative development of postgraduate education is not only the realistic need of cultivating high-level innovative talents, but also the inevitable requirement of promoting the high-quality development of higher education. In the past ten years, Chinese universities have actively responded to the call of the state to carry out postgraduate education, adhere to the first-class standards, reform the management system, optimize the operation mechanism, and enhance the management efficiency, and have set out on a road of postgraduate education featuring the optimization of structure and scale, the cultivation of distinctive characteristics, outstanding comprehensive strength, and strong service demand. It is of great theoretical and practical significance to review the ten years' history of connotative development of graduate education, sum up the fruitful ten years' experience, and look forward to the realistic path of high quality development of graduate education in the future.

Ten Years Review: Background and course of connotative development of graduate education. With the continuous advancement of the comprehensive reform of graduate education, the connotative development has become a new path choice for the development of graduate education in the new era. Combing and reviewing the background of the connotative development of graduate education and the ten years of graduate education reform can clearly show the whole vein of the connotative development of graduate education.

Background of the connotative development of graduate education. In March 2012, the Ministry of Education issued Several Opinions on Comprehensively Improving the quality of higher Education, which clearly pointed out that the road of conformal development with quality improvement as the core should be taken. "Connotative" is a discourse expression with Chinese characteristics, which explains the form and path of educational development by using the characteristics of logical concept. In terms of implication, the root of connotative development lies in the pursuit of quality [1]. To realize the connotative development of education, the quality of education must be improved. Since the 18th National Congress of the CPC, the Party and the state have attached more importance to the strategic position of postgraduate education, and started to promote the transformation of postgraduate education from the extended development based on quantitative growth and scale expansion to the conformal development based on education quality [2]. In this context, Opinions on Deepening the Reform of Postgraduate Education was released in March 2013, which clearly proposed to "further improve the quality of postgraduate education and deepen the reform of postgraduate education"[3]. Therefore, the realization of the connotative development of graduate education has become the new mission and new focus of higher education reform. The Opinions on Accelerating the Reform and Development of Graduate Education in the New Era, released in September 2020, provides more specific theoretical and practical directions for universities to accelerate the

connotative development of graduate education. At present, the exploration and practice of various universities show that the historical achievements have been made in improving the quality of postgraduate education, optimizing the type of postgraduate structure, innovating the postgraduate training mechanism, and constructing the postgraduate training platform. Our country is moving steadily towards a powerful postgraduate education.

Ten years achievements: The exploration and practice of the connotative development of graduate education. Since the 18th National Congress of the Communist Party of China, the connotative development of graduate education has entered a new stage: the graduate education mechanism has been deeply innovated, the graduate education system has been coordinated, the graduate education structure has been systematically optimized, and the graduate education quality has been improved as a whole. In the past ten years, the university has continuously trained a large number of high-quality talents in order to realize the "Two Centenary goals" and the Chinese dream of the great rejuvenation of the Chinese nation.

Three complete education: constantly improve the ideological and political work system of postgraduates. In September 2015, the University set up the Graduate Work Department of the Party Committee to coordinate the ideological and political work of graduate students. In March 2016, it issued the guiding document on Further Strengthening and Improving the Ideological and Political Education of Postgraduates, "Opinions on the Implementation of Further Strengthening and Improving the ideological and political education of postgraduates", which emphasized the establishment of the management mode of ideological and political education of "university and school level, with school as the main", and integrated the ideological and political work of postgraduates into every link of education and teaching; In 2021, the Implementation Opinions on Further Strengthening and Improving the Ideological and Political Work of Graduate Students in the New Era was revised and issued, which requires that "five education" should be carried out simultaneously in graduate education, and a scientific, reasonable and efficient system of ideological and political work of graduate students should be systematically constructed. At present, the university has gradually formed a unified leadership of the Party committee, the Party and government co-management, graduate work department organization and coordination, each department division of responsibility for graduate ideological and political work system mechanism.

The university implements "four projects" of Party building for graduate students to comprehensively improve the quality of Party building for graduate students; In 2018 and 2021, the Implementation Opinions of Chinese University on Strengthening and Improving the Construction of Graduate Party Branches were formulated and revised to provide institutional guarantee for improving the vitality and combat effectiveness of graduate Party branches. The implementation of the "Party building to consolidate the project", continue to explore the construction of graduate party branches and joint party branches between teachers

and students in research groups, subject areas, research teams and laboratories, for the dynamic establishment of temporary party branches for scientific research, professional practice, joint training at home and abroad and part-time graduate students, has gradually formed a criss-cross, block integration of grassroots graduate party building pattern; Implement the "Party Building Innovation Project", actively open up Party building education bases inside and outside the school, select a group of outstanding organizational life cases every year to support the project and form characteristic projects [4]; The implementation of the "Party building and personnel Education Project", since 2016, a total of five sessions of "research and thinking class" training for graduate Party branch secretaries has been held to strengthen the construction of the backbone team of the branch, and comprehensively improve the ability of graduate Party branch secretaries to work in Party affairs and ideological and political work [5].

Diversified Progress: Continuous optimization of the structure of postgraduate education. In the past ten years, the University has attached great importance to postgraduate education, constantly adapted to the needs of national development, and maintained a steady increase in the number of postgraduate students and a steady improvement in the quality of training. From 2013 to 2022, the university enrolled 36,914 graduate students, including 4,489 doctoral students and 32,425 master's students. As the Party and the state pay more and more attention to the cultivation of professional degree graduates, the total number of academic degree graduates and full-time professional degree graduates has basically remained the same in the past decade, and the number of professional degree graduates has exceeded academic degree graduates in 2018 (see Figure 1). With the deepening of the reform of doctoral education, the way of enrollment, the structure of students and the training mode of doctoral students also tend to be diversified. At present, there are direct doctoral candidates, continuous master and doctoral candidates and the general recruitment examination. The university began to recruit direct doctoral candidates in 2013, and adopted the "application – examination" system in the general recruitment examination for the first time in 2016. For the first time, Chinese University has set up a "Special Program for Cultivating New and Interdisciplinary Doctoral Students" and enrolled 20 students, which is used to support the innovative research and doctoral training of the supervisor research team with distinctive and multidisciplinary background. In the same year, the university enrolled 83 professional doctoral students for the first time, aiming at cultivating high-level applied talents who are oriented towards the major national development strategies, industries and specialized fields.

Improving the quality and efficiency: Deepening the reform of postgraduate training mode. The reform of graduate training mode pushes the university to actively explore and innovate high-level personnel training mode and continuously improve the quality of graduate training. In 2012, the university implemented the practical teaching plan for high-level applied talents, and established a

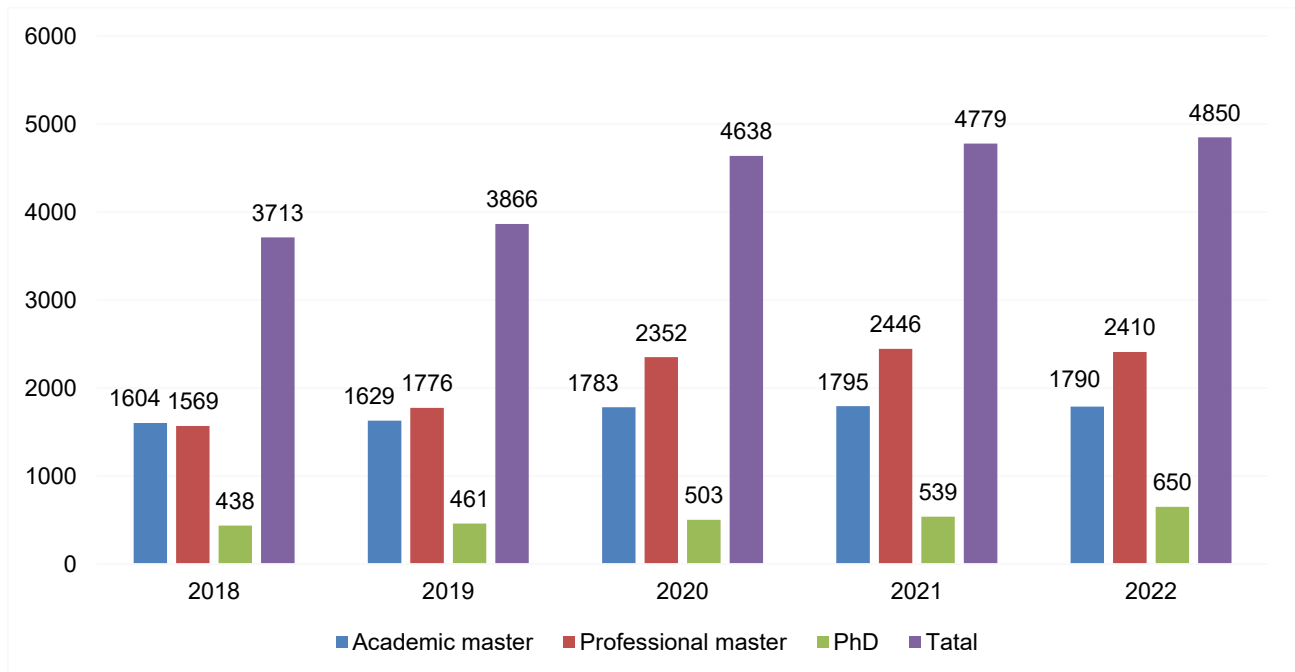


Figure 1 – Number of graduate students enrolled in recent 5 years

comprehensive engineering talent training system that integrates curriculum teaching, engineering practice, management guarantee and performance evaluation. In 2018, the University implemented the cultivation program of "Zhangjiang University of Excellence" to support outstanding doctoral students with academic pursuit and potential to carry out original research in basic theories, major technology applications and other cutting-edge fields. At present, "Zhang Jiang Shu Youbo" program has funded more than 50 people. In the same year, the University implemented the "Top-notch Innovative Talent Training Program" and the "3+1+X" through master degree and doctoral degree training program. Currently, 216 students have been cultivated. In the past ten years, the number of high-level scientific research achievements of graduate students has been increasing day by day. The proportion of graduate research contributions in the scientific research of the university has reached 72.8%, which has played a positive role in improving the overall scientific research level of the university.

The university adheres to the deep integration of knowledge learning and practical training, and has gradually built a curriculum system that combines theory and practice, including public courses, professional core courses, professional elective courses, professional practice and comprehensive literacy courses. In 2021, the university will carry out a comprehensive revision of the graduate training program, which emphasizes the training requirements for graduate students in the standard new era, emphasizes innovative education, engineering ethics and green engineering concepts, pays attention to the cultivation of comprehensive quality of graduate students, and strengthens the coordinated development of "morality, intelligence, physical fitness, the United States and labor"

of graduate students. At the same time, the university pays attention to the differentiation of academic and professional courses, and strengthens the classified training of knowledge innovation ability of academic degree graduates and practical innovation ability of professional degree graduates. We will encourage interdisciplinary courses, get through the links of mutual credit recognition, and continue to promote the cultivation of high-level innovative talents. From 2018 to 2022, the university has initiated the construction of 31 high-quality online courses, among which the advanced response engineering course has been approved as the major construction project of the national Master of Engineering online course. During the COVID-19 pandemic, relying on the university's multi-level information-based learning platform and other live-streaming platforms, the university has realized full coverage of online teaching. Since 2018, the university has actively promoted "ideological and political education into the classroom" for postgraduates, integrating ideological and political education into the teaching of professional courses and promoting the integration of ideological and political education and professional education. From 2018 to 2022, the university initiated 32 demonstration courses on ideological and political affairs, covering 84% of colleges or graduate training institutions, among which C programming language course was awarded the demonstration course on Ideological and Political Affairs by the Ministry of Education [6].

Strengthen the selection, assessment and evaluation of graduate tutors. The university follows the principle of separation of evaluation and employment, selects tutors according to the teacher's ethics and academic level, and implements dynamic post appointment according to the training conditions, breaking the system of lifetime appointment of tutors. We should pay attention

to the quality, contribution and impact of research results, and implement a representative results evaluation system. The school has set up a professional master's guide qualification review channel to select teachers with rich practical experience, breaking the restrictions of degrees, papers, professional titles, etc. Taking the document spirit of the Ministry of Education as the criterion, it implements the requirement of "one vote veto" on teacher ethics, improves the honesty commitment and reward and punishment mechanism, and guides postgraduate supervisors to be the guide of students' study and the knowledgeable person of students' growth, in order to cultivate outstanding students with a broad vision, a broad pattern, serving the country, a sense of responsibility and a sense of responsibility. The university has established a classification assessment mechanism, including the political performance, academic level, ethics, guiding energy input and education effect of tutors into the assessment and evaluation system, and comprehensively evaluates the performance of their duties. The university attaches great importance to and gives play to the exemplary and leading role of excellent tutors and teams, so as to improve the scientific research and education ability of tutors. Through active construction, the university now has 1274 master supervisors and 468 doctoral supervisors. There are 8 academicians of the Chinese Academy of Sciences and the Chinese Academy of Engineering, 1 academician of the European Academy of Sciences, and more than 120 national-level talents, including winners of the National Outstanding Youth Science Fund. There are 3 national famous teachers, 4 national teaching teams and 2 national Huang Danian teachers' teams. There are 10 high-level innovation teams such as the innovation research group of the Foundation and the innovation team of key fields of the Ministry of Science and Technology. The high level of teaching staff lays a solid foundation for the high quality development of graduate education.

The University has comprehensively deepened the reform of the investment mechanism in postgraduate education. In 2014 and 2021, the University has issued the Plan for the Setting of Postgraduate Tuition Fees, Awards and Aid System (Trial) and the Plan for the Setting of Postgraduate Awards and Grants and Detailed Rules

for their Implementation, further establishing a multi-dimensional and diversified policy system for postgraduate grants and strengthening the responsibility of postgraduate tutors in sharing costs. It provides an effective incentive and guarantee mechanism for comprehensively improving the quality of postgraduate education.

The university continuously integrates information technology with graduate education management. By focusing on the portal website of the graduate school, the graduate education management information system and the graduate new media matrix platform for revision, optimization and upgrading, the university gradually builds an all-dimensional and all-staff graduate education management network information system. In combination with the characteristics of postgraduate education and teaching, the University has carried out a comprehensive functional revision and interface optimization of the portal website of the Graduate School in 2015 and 2020 respectively, and strengthened the construction and development of the thematic website. Since 2018, the university has optimized and upgraded its graduate education management system by building a public service database and a security protection platform.

In the future, the University will actively adapt to the external environment, seize favorable opportunities, constantly optimize the graduate education system, improve the quality guarantee mechanism of graduate education, create a new situation of graduate education, and strive to realize the leapfrog development of high quality graduate education.

Conclusion. Focusing on the overall situation of the great rejuvenation of the Chinese nation is the strategic focus for the high-quality development of graduate education in the new stage. This University will take "moral cultivation, classified training, optimization of structure, and improvement of quality" as the main line, comprehensively promote the high-quality development of graduate education, and help the university to build "double first-class". We should shoulder the mission of our times to train high-level talents and produce high-level innovation results, and strive to make due contributions to the great rejuvenation of the Chinese nation.

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ДЕСЯТИРІЧНИЙ ОГЛЯД ЕФЕКТУ ТА ПЕРСПЕКТИВИ РЕФОРМИ ПІСЛЯДИПЛОМНОЇ ОСВІТИ В КИТАЙСЬКОМУ УНІВЕРСИТЕТІ

З постійним просуванням комплексної реформи післядипломної освіти конотативний розвиток став новим вибором шляху розвитку післядипломної освіти в нову епоху. З'ясування та перегляд передумов конотативного розвитку післядипломної освіти та десятирічного курсу реформування післядипломної освіти в школі може наочно показати загальний контекст конотативного розвитку післядипломної освіти в школі. Висновки щодо прискорення реформування та розвитку післядипломної освіти в нову епоху, видані у вересні 2020 року, надають більш конкретні теоретичні та практичні напрямки для університетів для прискорення конотативного розвитку післядипломної освіти. В даний час дослідження та практика основних університетів показують, що історичні досягнення були досягнуті в підвищенні якості післядипломної освіти, оптимізації типу структури аспірантів, інноваціях механізму післядипломної підготовки та побудові платформи післядипломної підготовки, і Китай неухильно рухається до сильної країни в післядипломній освіті. З часу проведення 18-го Національного з'їзду Комуністичної партії Китаю конотативний розвиток післядипломної освіти вступив у новий етап: глибоко впроваджено механізм післядипломної освіти, система післядипломної підготовки скоординована багатьма партіями, системно оптимізована структура післядипломної освіти, покращена якість післядипломної освіти в цілому. Протягом останніх десяти років школа безперервно культивувала велику кількість якісних талантів для досягнення «двох столітніх цілей» і китайської мрії про велике омолодження китайської нації. Основна увага шкільної реформи виглядає наступним чином: 1. Школа постійно впроваджувала шлях ідеологічної та політичної освіти для аспірантів, створювала платформу для побудови наукової етики та стилю навчання, платформу культурної освіти, платформу для онлайн-освіти та ідейно-політичної освіти big data, платформу для стипендій та допомоги, платформу для практичної освіти. 2. В останні десять років університет надавав великого значення післядипломній освіті, постійно адаптувався до потреб національного розвитку. 3. У 2020 році університет додає 5 пунктів авторизації докторських ступенів з дисципліни першого рівня, 4 категорії авторизації докторських професійних ступенів, 1 пункт авторизації магістерської дисципліни першого рівня та 1 категорію авторизації професійного ступеня магістра. 4. Університет активно досліджує та впроваджує інноваційні моделі підготовки талантів високого рівня та постійно підвищує якість післядипломної підготовки. 5. З 2018 року школа активно просує «ідейно-політичну освіту в клас» для аспірантів, інтегруючи ідейно-політичну освіту в викладання професійних курсів, сприяючи інтеграції ідейно-політичної освіти та професійної освіти.

Ключові слова: післядипломна освіта, якісний розвиток, китайський університет.

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